

Amendments to the Claims:

The following listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A process for joining components of aluminum or aluminum alloy, said process comprising

applying a flux having a cumulative particle volume distribution lying entirely within the area bounded by Curves 1 and 2 of Figure 10 to the components to be joined, wherein said flux is applied dry and electrostatically charged, and

thereafter heating the components to braze them together, wherein the flux particles have the following cumulative particle volume distribution:

<u>x (micron)</u>	<u>% (lower limit)</u>	<u>% (upper limit)</u>	<u>x (micron)</u>	<u>% (lower limit)</u>	<u>% (upper limit)</u>
<u>0.45</u>	<u>0.25</u>	<u>3.00</u>	<u>7.50</u>	<u>28.00</u>	<u>86.00</u>
<u>0.55</u>	<u>1.40</u>	<u>4.00</u>	<u>9.00</u>	<u>33.00</u>	<u>90.00</u>
<u>0.65</u>	<u>2.00</u>	<u>5.30</u>	<u>10.50</u>	<u>38.00</u>	<u>94.00</u>
<u>0.75</u>	<u>2.70</u>	<u>6.80</u>	<u>12.50</u>	<u>40.00</u>	<u>96.00</u>
<u>0.90</u>	<u>3.80</u>	<u>8.80</u>	<u>15.00</u>	<u>42.00</u>	<u>98.00</u>
<u>1.10</u>	<u>5.00</u>	<u>12.20</u>	<u>18.00</u>	<u>44.00</u>	<u>98.70</u>
<u>1.30</u>	<u>5.80</u>	<u>15.80</u>	<u>21.50</u>	<u>48.00</u>	<u>99.50</u>
<u>1.55</u>	<u>7.00</u>	<u>20.00</u>	<u>25.50</u>	<u>54.00</u>	<u>100.00</u>
<u>1.85</u>	<u>8.50</u>	<u>25.00</u>	<u>30.50</u>	<u>65.00</u>	<u>100.00</u>
<u>2.15</u>	<u>10.00</u>	<u>29.00</u>	<u>36.50</u>	<u>77.50</u>	<u>100.00</u>
<u>2.50</u>	<u>11.50</u>	<u>32.50</u>	<u>43.50</u>	<u>89.00</u>	<u>100.00</u>
<u>3.00</u>	<u>14.00</u>	<u>41.00</u>	<u>51.50</u>	<u>93.00</u>	<u>100.00</u>
<u>3.75</u>	<u>17.00</u>	<u>53.00</u>	<u>61.50</u>	<u>94.00</u>	<u>100.00</u>
<u>4.50</u>	<u>16.00</u>	<u>63.00</u>	<u>73.50</u>	<u>95.80</u>	<u>100.00</u>
<u>5.25</u>	<u>19.00</u>	<u>71.00</u>	<u>87.50</u>	<u>96.00</u>	<u>100.00</u>
<u>6.25</u>	<u>23.00</u>	<u>79.00</u>			

2. (Currently Amended) A process according to claim 1, wherein said flux has a cumulative particle volume distribution lying entirely within the area bounded by Curves 1 and 2 of Figure 11. A process for joining components of aluminum or aluminum alloy, said process comprising

applying a flux to the components to be joined, wherein said flux is applied dry and electrostatically charged, and

thereafter heating the components to braze them together, wherein the flux particles have the following cumulative particle volume distribution:

<u>x (micron)</u>	<u>% (lower limit)</u>	<u>% (upper limit)</u>	<u>x (micron)</u>	<u>% (lower limit)</u>	<u>% (upper limit)</u>
<u>0.45</u>	<u>0.94</u>	<u>2.28</u>	<u>7.50</u>	<u>34.30</u>	<u>64.82</u>
<u>0.55</u>	<u>1.53</u>	<u>3.49</u>	<u>9.00</u>	<u>37.26</u>	<u>72.07</u>
<u>0.65</u>	<u>2.19</u>	<u>4.73</u>	<u>10.50</u>	<u>38.78</u>	<u>77.06</u>
<u>0.75</u>	<u>2.91</u>	<u>6.00</u>	<u>12.50</u>	<u>40.25</u>	<u>81.89</u>
<u>0.90</u>	<u>3.91</u>	<u>8.07</u>	<u>15.00</u>	<u>41.87</u>	<u>86.27</u>
<u>1.10</u>	<u>4.97</u>	<u>11.69</u>	<u>18.00</u>	<u>44.20</u>	<u>91.28</u>
<u>1.30</u>	<u>5.89</u>	<u>15.30</u>	<u>21.50</u>	<u>48.13</u>	<u>95.12</u>
<u>1.55</u>	<u>7.03</u>	<u>19.58</u>	<u>25.50</u>	<u>54.67</u>	<u>97.45</u>
<u>1.85</u>	<u>8.43</u>	<u>24.20</u>	<u>30.50</u>	<u>65.04</u>	<u>98.91</u>
<u>2.15</u>	<u>9.91</u>	<u>28.19</u>	<u>36.50</u>	<u>77.82</u>	<u>99.70</u>
<u>2.50</u>	<u>11.76</u>	<u>32.18</u>	<u>43.50</u>	<u>89.38</u>	<u>100.00</u>
<u>3.00</u>	<u>14.58</u>	<u>37.01</u>	<u>51.50</u>	<u>96.55</u>	<u>100.00</u>
<u>3.75</u>	<u>18.94</u>	<u>43.07</u>	<u>61.50</u>	<u>98.64</u>	<u>100.00</u>
<u>4.50</u>	<u>22.24</u>	<u>48.09</u>	<u>78.50</u>	<u>100.00</u>	<u>100.00</u>
<u>5.25</u>	<u>25.31</u>	<u>52.30</u>	<u>87.50</u>	<u>100.00</u>	<u>100.00</u>
<u>6.25</u>	<u>29.74</u>	<u>57.13</u>			

3. (Original) A process according to claim 1, wherein said flux is a potassium fluoroaluminate flux.

4. (New) A process according to claim 2, wherein said flux is a potassium fluoroaluminate flux.